

Converting Colors

XYZ(32.6222, 21.9225, 3.5845)

Have a look what the booklet for
XYZ(32.6222, 21.9225, 3.5845)
contains.

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Color

**XYZ(32.6128, 21.9687,
3.6201)**

Conversions

Conversions Part 1

Format	Color
Hex	DA581C
RGB	218, 88, 28
RGB Percent	85%, 35%, 11%
CMY	0.1451, 0.6549, 0.8902
CMYK	0.00, 0.60, 0.87, 0.15
HSL	19°, 77%, 48%
HSV	19°, 87%, 85%
XYZ	32.6128, 21.9687, 3.6201
YIQ	120.0300, 96.7400, 8.9000

Conversions

Conversions Part 2

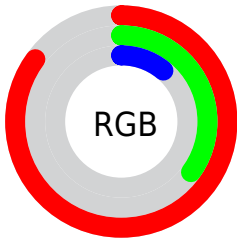
Format	Color
R _Y B	218, 116, 28
Decimal	14309404
CIE Lab	53.99, 48.34, 56.37
CIE LCh	54, 74.260, 49.382
Yxy	21.9687, 0.5603, 0.3775
Android (android.graphics.Color)	4292499484 (0xFFDA581C)
YUV	120.0300, -45.3708, 85.9197
Hunter-Lab	46.8708, 42.1769, 28.2302

Details

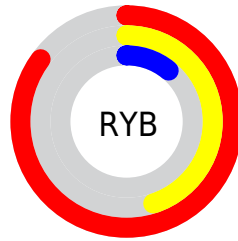
The XYZ color **32.6128, 21.9687, 3.6201** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **25.3595, 29.7603, 70.7370**, and the grayscale version is **17.9820, 18.9185, 20.6023**.

A 20% lighter version of the original color is **52.3243, 41.1705, 12.5860**, and **14.0614, 8.0563, 0.8139** is the 20% darker color. If you saturate the color by 10%, you get **31.3359, 19.6963, 2.3283**, and if you desaturate by 10%, it is **34.3273, 24.8191, 5.9766**.

Distribution



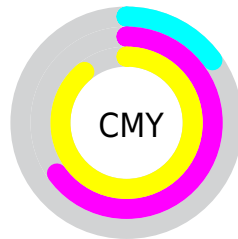
- Red (85%)
- Green (35%)
- Blue (11%)



- Red (85%)
- Yellow (45%)
- Blue (11%)



- Cyan (0%)
- Magenta (60%)
- Yellow (87%)
- Black (15%)





- Cyan (15%)
- Magenta (65%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.6128, 21.9687, 3.6201 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 32.6128, 21.9687, 3.6201 by changing the saturation by 10% instead.


 32.6128, 21.9687,
3.6201


 32.6128, 21.9687,
3.6201


305.5973,
262.3828, 143.9043


 21.9878, 13.8339,
1.4193


 63.1293, 46.6943,
13.1237

 13.9645, 8.0052,
0.1567


 83.7515, 64.0538,
21.2635

 8.1775, 4.0983,
0.0000


 108.4368, 85.2571,
32.2202

 4.2615, 1.7287,
0.0000

 137.5505,
110.6884, 46.4122

 1.8511, 0.4421,
0.0000

 171.4581,
140.7323, 64.2581

 0.5482, 0.0000,
0.0000

 210.5248,

 0.0000, 0.0000,

175.7730, 86.1763

0.0000

255.1161,
216.1951, 112.5856

32.6128, 21.9687,
3.6201

32.6128, 21.9687,
3.6201

31.3359, 19.6963,
2.3283

34.3273, 24.8191,
5.9766

31.0322, 19.1431,
2.0594

36.5294, 28.2868,
9.5976

39.2607, 32.4103,
14.6361

42.5573, 37.2236,
21.2225

46.4520, 42.7580,
29.4724

■ 50.9747, 49.0430,
39.4903

■ 56.1534, 56.1060,
51.3720

■ 62.0139, 63.9733,
65.2064

■ 68.5810, 72.6697,
81.0765

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.0641, 21.9687, 12.0547



32.6128, 21.9687, 3.6201



23.8525, 21.9687, 1.4763

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



32.6128, 21.9687, 3.6201



9.0966, 21.9687, 16.6712



26.4268, 21.9687, 94.4346

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



32.6128, 21.9687, 3.6201



25.3595, 29.7603, 70.7370

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



18.1664, 21.9687, 98.8644



32.6128, 21.9687, 3.6201



9.4515, 21.9687, 41.7708

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



32.6128, 21.9687, 3.6201



11.2273, 21.9687, 5.1512



12.3653, 21.9687, 75.5330



34.9073, 21.9687, 65.7220

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



32.6128, 21.9687, 3.6201



18.4666, 21.9687, 1.4506



12.3653, 21.9687, 75.5330



23.4962, 21.9687, 99.2912

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



32.6133, 21.9700, 3.6205



73.3504, 70.8363, 57.7804



35.7616, 18.3092, 35.3675



15.1887, 14.4571, 11.2171



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32.6133, 21.9700, 3.6205



44.1480, 27.0760, 2.8993



45.4441, 47.6317, 7.8974



13.3900, 13.7193, 13.6679



18.6772, 11.6399, 1.2623



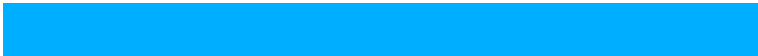
1.2860, 0.9061, 0.1071

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



25.3595, 29.7603, 70.7370



33.2760, 37.6719, 100.1253



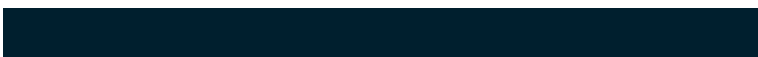
15.0821, 9.2054, 67.3112



13.0800, 14.0998, 16.6843



14.1352, 16.1398, 42.1087



0.9918, 1.1977, 2.7533

Previews

White Background



This preview shows how the XYZ color 32.6128, 21.9687, 3.6201 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 32.6128, 21.9687, 3.6201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.6128, 21.9687, 3.6201

Background



This preview shows how black text looks on a background with the XYZ color 32.6128, 21.9687, 3.6201.



This preview shows how white text looks on a background with the XYZ color 32.6128, 21.9687,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

32.6128, 21.9687, 3.6201

Protanopia

20.0259, 22.1315, 5.1358

Deuteranopia

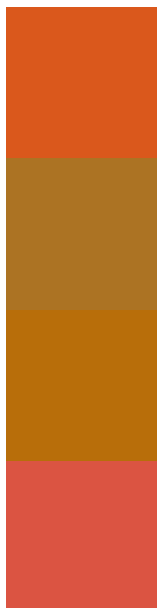
22.3928, 22.0584, 3.0775



Tritanopia

34.2528, 21.9384, 11.4460

Trichromacy



Original Color

32.6128, 21.9687, 3.6201

Protanomaly

23.4474, 21.1535, 4.4373

Deuteranomaly

25.3979, 21.3641, 3.0722

Tritanomaly

33.3671, 21.7941, 7.6023

Monochromacy



Original Color

32.6128, 21.9687, 3.6201

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

20.7932, 18.4812, 11.4881

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.6128, 21.9687, 3.6201 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(218, 88, 28)` looks like.

```
.text, #text, p{  
    color:rgb(218, 88, 28)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(218, 88, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 88, 28) }
```

Border

The CSS property to change the border of an element to XYZ 32.6128, 21.9687, 3.6201 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(218, 88, 28) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(218, 88, 28) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(218, 88, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 88, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 88, 28);  
box-shadow:4px 4px 4px 4px rgb(218, 88,  
28) }
```

Background

The CSS property to change the background color of an element to XYZ 32.6128, 21.9687, 3.6201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 88, 28) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(218, 88,  
28) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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